

Claims

1. Water treatment means, especially for a sewer cleaning vehicle, comprising a separation device (2) for a mud-water mixture which has been supplied with intaken air and a water tank (8) which is connected to it for cleaned water, characterized in that the separation device (2) and the water tank (8) form a structural unit and the separation device (2) for the air-mud-water mixture is surrounded at least in areas by the water tank (8) for the cleaned water.

2. Water treatment means as claimed in claim 1, wherein the separation device (2) and the water tank (8) are arranged essentially concentrically.

3. Water treatment means as claimed in claim 1 or 2, wherein the separation device (2) comprises a mud separator with a reservoir (5) for the settled mud.

4. Water treatment means as claimed in one of the preceding claims, wherein the separation device (2) axially penetrates the water tank (8).

5. Water treatment means as claimed in claim 4, wherein the separation device (2) at its point which is the lowest in the position of use has one inlet (3) for an air-mud-water mixture which is to be separated and on its opposite end there is an outlet (7) for cleaned air.

6. Water treatment means as claimed in one of the preceding claims, wherein one section (18) of the water tank (8) is made as a water separator for water which is entrained with the air.

7. Water treatment means as claimed in claim 6, wherein the water separator (18) is a cyclone.

8. Water treatment means as claimed in one of the preceding claims, wherein the water tank (8) is provided with at least one outlet (11) by way of which for example a vacuum device,

especially a water ring pump (30), can be supplied with water.

9. Water treatment means as claimed in one of the preceding claims, wherein it is equipped with an integrated switching means (15) for the air flows into and out of the separation device (2) or the water tank (8).

10. Water treatment means as claimed in claim 9, wherein the switching means (15) is a four-way valve.

11. Sewer cleaning vehicle with a water treatment means (1) as claimed in one of the preceding claims.

12. Sewer cleaning vehicle as claimed in claim 11, wherein the water treatment means (1) is located in the vertical state next to a vacuum pump, for example a water ring pump (30), between the cab (41) and a horizontally arranged mud tank (20).

13. Sewer cleaning vehicle as claimed in claim 12, wherein the water treatment means (1) maintains its position unchanged on the vehicle (40) when the sludge tank (2) with a tipping capacity is tipped.